

**DRAFT****PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 09/954,835

Filing Date: September 18, 2001

Applicant: Monica A. Jacinto et al.

Group Art Unit: 1742

Examiner: Andrew E. Wessman

Title: Burn Resistant and High Tensile Strength Metal Alloys

Attorney Docket: 7784-000255

---

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**DRAFT**  
**FOR DISCUSSION ONLY**

**PROPOSED AMENDMENTS IN THE CLAIMS**

1. (AMENDED) A burn resistant and high tensile strength alloy, comprising:
  - about 55 to about 75 weight percent nickel;
  - about 12 to about 17 weight percent cobalt;
  - [at most about] less than 12 weight percent chromium;
  - about 1 to about 4 weight percent aluminum; and
  - about 1 to about 4 weight percent titanium.

**DRAFT**

11. (AMENDED) A nickel alloy, comprising:

at least [about] 72 weight percent nickel;  
about 13.5 to about 16.5 weight percent cobalt;  
about 6 to about 15 weight percent chromium;  
about 1 to about 4 weight percent aluminum; and  
about 1 to about 4 weight percent titanium.

18. (AMENDED) A nickel-based metal alloy comprising:

at least 50 weight percent nickel;  
less than [about] 12 weight percent chromium;  
a threshold pressure at least about 4,000 pounds per square inch; and  
a tensile strength at least about 160,000 pounds per square inch.